

## ABSTRACT

A shock absorber body 30 which makes telescopic motion in response to an input from outside has a ball screw mechanism 16 which converts the telescopic motion into rotary motion and is composed of a ball nut 17 and a screw shaft 18. A motor 32 is provided coaxially with the shock absorber body 30. The motor 32 generates electromagnetic resistance to oppose against the rotary motion which inputs into a rotary shaft 6 of the motor 32. A cylindrical member 1 or 23 which covers the shock absorber body 30 and the motor 32 from outside and whose part covering the motor 30 also serves as a motor frame is provided. Damping force which opposes against the telescopic motion of the shock absorber body 30 is generated according to electromagnetic force of the motor 32.